



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010587  
CERTIFICATION DATE: October 1, 2013  
DATE RECERTIFICATION DUE: March 30, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

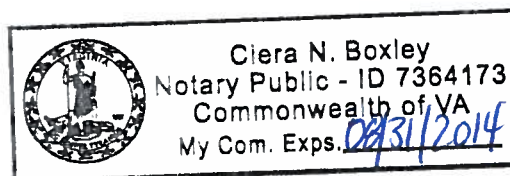
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



DBH  
WHL

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 10/2/2013**

**Instrument Serial Number: 010587** **As of 02-Oct-13**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
01-Oct-13	01-Oct-13	DBH (21250)	CERTIFIED.
30-Jul-13	30-Jul-13	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
16-Apr-13	16-Apr-13	DBH (21250)	CERTIFIED.
01-Apr-13	01-Apr-13	DBH (21250)	CERTIFIED.
14-Feb-13	14-Feb-13	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
06-Nov-12	06-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
02-May-12	02-May-12	SED (24178)	CERTIFIED.
22-Feb-12	08-Nov-11	DBH (21250)	REPLACED DRY GAS STANDARD.
08-Nov-11	08-Nov-11	DBH (21250)	CERTIFIED
12-Aug-11	17-May-11	DBH (21250)	REPLACED DRY GAS STANDARD
17-May-11	17-May-11	DBH (21250)	REPLACED PRINTER RIBBON, CERTIFIED
29-Dec-10	29-Nov-10	DBH (21250)	REPLACED DRY GAS STANDARD
29-Nov-10	29-Nov-10	DBH (21250)	CALIBRATED AND CERTIFIED.
15-Jun-10	15-Jun-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Dec-09	28-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
18-Nov-09	15-Jul-09	DBH (21250)	REPLACED DRY GAS STANDARD
15-Jul-09	15-Jul-09	DBH (21250)	CERTIFIED.
18-May-09	18-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
18-Dec-08	18-Dec-08	DBH (21250)	CERTIFIED.
01-Dec-08	01-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

581  
WSS

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010587 Worksheet Start Date 10/1/2013

Location Virginia Beach Jail

Address 2501 James Madison Blvd Virginia Beach VA 23456

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	200
Keyboard		Certificates of Analysis	200
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010587

Certification Date 10/1/2013

Instrument Barometer (mm HG) 762

Reference Barometer (mm HG) 765

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.252
0		0.252	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-22

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

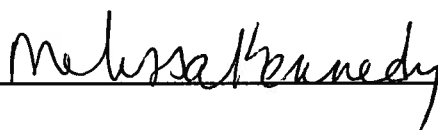
DFS Technician



Date

10/2/13

Issuing Analyst



Date

10/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010587      Test Number: 3324  
Test Date: 10/01/2013      Test Time: 12:43 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 213 psi      Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:44
BLK	0.000	12:45
CHK	0.252	12:45
BLK	0.000	12:47
CHK	0.252	12:48
BLK	0.000	12:49
CHK	0.252	12:50
BLK	0.000	12:51

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

WJH

# **Intox EC/IR-11: Certification**

*Department of Forensic Science*

Serial Number: 010587      Test Number: 3325  
Test Date: 10/01/2013      Test Time: 12:54 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 933 psi      Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:54
BLK	0.000	12:55
CHK	0.152	12:56
BLK	0.000	12:57
CHK	0.152	12:57
BLK	0.000	12:59
CHK	0.152	13:00
BLK	0.000	13:01

## **Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010587      Test Number: 3326  
Test Date: 10/01/2013      Test Time: 13:03 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 174 psi      Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:04
BLK	0.000	13:04
CHK	0.081	13:05
BLK	0.000	13:06
CHK	0.081	13:07
BLK	0.000	13:08
CHK	0.081	13:09
BLK	0.000	13:10

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH  
NKH

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010587      Test Number: 3327  
Test Date: 10/01/2013      Test Time: 13:13 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 90 psi      Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:14
BLK	0.000	13:14
CHK	0.019	13:15
BLK	0.000	13:16
CHK	0.019	13:17
BLK	0.000	13:18
CHK	0.019	13:19
BLK	0.000	13:20

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010587      Test Number: 3328

Test Date: 10/01/2013      Test Time: 13:24 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 237 psi      Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:25
CHK	0.307	13:25
BLK	0.000	13:27
CHK	0.306	13:28
BLK	0.000	13:30
CHK	0.306	13:30

Test Status: *Success*

Calibration CRC: 2D2B5E82

DBH

WJH

DOB

ADK

# Intox EC/1R-II: Accuracy Check

Department of Forensic Science

Serial Number: 010587      Test Number: 3329

Test Date: 10/01/2013      Test Time: 13:34 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-22      Exp Date: 06/12/2015

Tank Pressure: 821 psi      Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:35
CHK	0.101	13:36
BLK	0.000	13:37
CHK	0.101	13:38
BLK	0.000	13:39
CHK	0.101	13:40

Test Status: Success

Calibration CRC: 2D2B5E82

DBH

WHL



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  10/01/2013
TEST EQUIPMENT NUMBER  010587		

RESULTS: TIME SAMPLE TAKEN 13:50 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 01 Oct 2013 at 16:56

DBH

NK

## Test Results

Instrument Serial Number 010587

Test # 003330 Subject Test

Test Location 1 Department of  
Test Date 01 Oct 2013

Test Location 2 Forensic Science  
Test Time 13:44  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Oct 2013 End Time 13:52

Result Time 13:50

Result Date 01 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:45

Data Type BLK

Sample Value 0.000

Sample Time 13:45

Data Type CHK

Sample Value 0.101

Sample Time 13:46

Data Type BLK

Sample Value 0.000

Sample Time 13:47

Data Type SUBJ

Sample Value 0.000

Sample Time 13:48

Data Type BLK

Sample Value 0.000

Sample Time 13:49

Data Type SUBJ

Sample Value 0.000

Sample Time 13:50

Data Type BLK

Sample Value 0.000

Sample Time 13:51

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-22

Standard Expiration Date 06/12/2015

Tank Pressure 816

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.62 sec

Blow Volume 2069 cc End-of-Blow Time 13:48

Blow Sample Number 2 Blow Duration 3.46 sec

Blow Volume 1982 cc End-of-Blow Time 13:50

Tamper Evident Stamp 28f10021

Test Status Code 0

Test Status Success